

## STIC Search Report Biotech-Chem Library

## STIC Database Tracking Number: 125497

TO: Ruixiang Li

Location: REM-4d75&4C70

Art Unit: 1646

**Tuesday, June 29, 2004** 

Case Serial Number: 09/742684

From: Toby Port

**Location: Biotech-Chem Library** 

**REM-1A59** 

Phone: (571) 272-2523 toby.port@uspto.gov

## Search Notes

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Sequence 8, A Sequence 11, Sequence 11, Sequence 4, A

Sequence 2, R. Sequence 2, R. Sequence 8, R. Sequence 9, R. Sequence 9, R. Sequence 9, R. Sequence 6, R. Sequen

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Sequence 10, Application US/08357533A
Patent No. 5831050
GENERAL INFORMATION:
APPLICANT: JIN, DONALD F
APPLICANT: OPPERMANN, HERMANN
APPLICANT: SMART, JOHN B
APPLICANT: MARTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR NUMBER OF SEQUENCES: 12
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ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES.
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MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/357,533A
FILING DATE: 16-DEC-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: KELLY, ROBIN D
REGISTRATION NUMBER: 34.637
REFERENCY/DOCKET NUMBER: CRP-073FW
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAKA: (508)-435-9001
TELEFAKA: (508)-435-902
INFORMATION FOR EQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 513 amino acide
TYPE: Amino acide
STRANDEDNESS: single
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COTHER INFORMATION: /note= "MOUSE ACTIVIN RECEPTOR"
US-08-357-533A-10
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Pred. No. 1.1e-263;
US-08-311-703A-8
US-08-446-939B-8
US-09-183-543-8
US-09-28-964A-11
US-09-878-905-11
PCT-US92-09326-4
US-08-334-179A-4
US-08-334-179A-8
US-08-334-179A-8
US-08-908-500A-2
US-08-908-500A-2
US-08-357-533A-9
US-08-459-901-9
US-08-459-91-9
US-08-459-91-9
US-08-459-91-9
US-08-459-91-9
US-08-481-337A-6
US-08-481-337A-6
US-08-481-337A-6
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US-08-481-337A-6
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    MOLECULE TYPE: protein FEATURE:
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Best Local Similarity
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ZIP: 01748
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      Sequence 10, Applisequence 2, Applisequence 2, Applisequence 15, Applisequence 15, Applisequence 12, Applisequence 12, Applisequence 11, Applisequence 11, Applisequence 11, Applisequence 2, Applisequence 3, App
                                                                                                                                      June 28, 2004, 09:48:46; Search time 23 Seconds (without alignments) 1151.484 Million cell updates/sec
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Sequence 10, Appl
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Sequence 9, 1
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Sequence 8, 1
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Sequence 2,
Sequence 1,
                                                                                                                                                                                                                                                          1 MGAAAKLAPAVFLISCSSGA......IVTVVTMVTNVDPPPKESSL 513
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/cgn2_6/ptodata/2/jaa/5B_COMB.pep:*
/cgn2_6/ptodata/2/jaa/6A_COMB.pep:*
/cgn2_6/ptodata/2/jaa/6B_COMB.pep:*
/cgn2_6/ptodata/2/jaa/PCTUS_COMB.pep:*
/cgn2_6/ptodata/2/jaa/PCTUS_COMB.pep:*
                      GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-08-459-009-10
US-08-459-951-10
US-08-738-168B-13
US-08-738-168B-15
US-08-738-168B-15
US-08-738-168B-15
US-08-738-168B-15
US-08-738-168B-15
US-08-738-112
US-08-459-051-12
US-08-459-051-11
US-08-459-051-11
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US-08-459-051-13
US-08-459-051-2
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US-08-451-946B-8
US-08-446-938B-8
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                                                                                                                                                                                                                                                                                                                                                         389414 seqs, 51625971 residues
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Maximum Match 100%
Liscing first 45 summaries
                                                                                                   CM protein - protein search, using sw model
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Maximum DB sec length: 200000000
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2770
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                                                    1 MGAAAKLAFAVPLISCSSGAILGRSETQECLFFNAWWERDRTNQTGVEPCYGDKDKRRHC
                                                                                                                                                                                            121 EVTOPTSNPVTPKPPYYNILLYSLVPLMLIAGIVICAFWVYRHKWAYPPVLVPTQDFGP
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                                                                                                     61 PATWICKISGSIEIVKQGCWLDDINCYDRIDCVEKKDSPEVYFCCCEGNMCNEKFSYFPEM
                                                                                                                                                                          121 EVTQPTSNPVTPKPPYYNILLYSLVPLMLIAGIVICAFWVYRHHKMAYPPVLVPTQDPGP
                                 1 MGAAAKLAPAVFLISCSSGAILGRSETQECLPFNANWEKDRTNQTGVEPCYGDKDKRRHC
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Gaps
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| Patent No. 5864479
| APPLICANT: OPPERANN' HERANN
| APPLICANT: KUBERASAMPATH, THANGAVEL
| APPLICANT: SWART, JOHN E
| TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR NUMBER OF SEQUENCES: 12
| CORRESPONDENCE ADDRESS:
| ADDRESSEE: DATENT ADMINISTRATOR, CREATIVE BIOMOLECULES, ADDRESSEE: INC STREET: 45 SOUTH STREET
| CITY: HOPKINTON | COUNTRY: USA
Indels
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ZIP: UT48
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPATES: IBM PC Compatible
COMPATES: IBM PC COMPATIBLE
SOFTWARE: PATENTING SYSTEM:
APPLICATION NUMBER: US/08/459,009
FILING DATE: US/08/459,009
FILING APPLICATION NUMBER: US/08/357,533
FILING DATE: 16-DEC-1994
ATTONNEY/AGENT INPOMBATION:
NAME: RELIY, ROBIN D
REGISTRATION NUMBER: 34,637
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Mismatches
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Sequence 2, Application US/08300584

Parent No. 5885794

GENERAL INFORMATION:

APPLICANT: Mathews, Lawrence S.

APPLICANT: Wate, Wylie W.

TITLE OF INVENTION: CLONING AND RECOMBINANT PRODUCTION OF TITLE OF INVENTION: RECEPTOR (S) OF THE ACTIVIN/TGF-BETA SUPERFAMILY NUMBER OF SEQUENCES:

ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark STREET: 444 South Flower Street, Suite 2000

CITY: Los Angeles

STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                  Length 513;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                    TOPOLOGY: linear

MOLECULE TYPE: protein
FRATURE:
NAME/KEY: Protein
LOGATION: 1..513
GTHER INFORMATION: /note= "MOUSE ACTIVIN RECEPTOR"
                                                                                                                                                                                                                                                                                                                                                                                                             99.7%; Score 2763; DB 2;
99.4%; Pred. No. 1.1e-263;
Live 3; Mismatches 0;
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REFERENCE/DOCKET NUMBER: CRP-
TELECOMUNICATION INFORMATION:
TELEPHONE: (508)-435-9901
TELEFAX: (508)-435-0902
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 513 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 99.4
Matches 510; Conservative
                                                                                                                                                                         TYPE: amino acid
STRANDEDNESS: single
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61 PATWINISGSIBIVKQCOWLDDINCYDRIDCVBKKDSPEVYPCCCEGNWCNEKFSYFPEM 120
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                                                                                                                                     GENERAL INFORMATION:
APPLICANT: JIN DONALD F
APPLICANT: OPPERMANN, HERMANN
APPLICANT: OPPERMANN, HERMANN
APPLICANT: SWART, JOHN E
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                 ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES, ADDRESSEE: INC
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MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,951
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/357,533
FILING DATE: 16-DEC-1994
ATTORNEY AGENT INFORMATION:
NAME: KELLY, ROBIN D
REGISTRATION NUMBER: 34,637
REFERENCE/DOCKET NUMBER: 34,637
REFERENCE/DOCKET NUMBER: CRP-073FW
TELLCOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LOCATION: 1..513
; COTHER INFORMATION: /note= "MOUSE ACTIVIN RECEPTOR"
US-08-459-951-10
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99.4%; Pred. No. 1.1e-263;
tive 3; Mismatches 0;
481 QMQRLTNIITTEDIVTVVTMVTNVDFPPKESSL 513
                                                             RESULT 4
18-08-459-951-10
Sequence 10, Application US/08459951
Patent No. 6093547
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INFORMATION FOR SEQ ID NO: 10:
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Matches 510; Conservative
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LENGTH: 513 amino acio
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MOLECULE TYPE: protein
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ZIP: 01748
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                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION WUMBER: US/08/300,584
FILING DATE: 02-SEP-1994
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Pred. No. 1.1e-263;
3; Mismatches 0;
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                                                                                                                                                                                                    CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/880,220
RILING DATE: 08-MAY-1992
RILING SAPE: O7/713,229
RILING DATE: 09-CCT-1991
RILING DATE: 09-CCT-1991
RILING DATE: 09-CCT-1991
RILING DATE: 10-MAY-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41 9806
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-1995
TELEPAX: 619-546-1995
INFORMATION FOR SEQ ID NO: 2:
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Best Local Similarity 99.4%;
Matches 510; Conservative
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LENGTH: 513 amino acids
TYPE: amino acid
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                                                                                                                                                121 EVIQPISNPVIPKPPYYNILLYSLVPLMLIAGIVICAFWVYRHKMAYPPVLVPTQDDGP
                                                                                                                                                                                                                 181 PPPSPLIGIKPLOLLEVKARGRPCCVWKAOLLNEVAVKIFPIODKOSWQNSYSLPG
                                                                                                                                                                                                                                                                                     241 MKHENILQFIGAEKRGTSVDVDLWLITAFHEKGSLSDFLKANVVSWNELCHIASTWARGL
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PATWANISGSIEIVKQGCWLDDINCYDRTDCVEKKDSPBVYFCCCEGNMCNBKFSYFPEM
                                                                          PATWKNISGSIELVKQGCWLDDINCYDRTDCIEKKDSPEVYFCCCEGNMCNEKFSYFPEM
                                                                                                                         121 EVTOPISNPVIPKPPYYNILLYSLVPLALIAGIVICAFWYYRHHKMAYPPVLVPTQDPGP
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APPLICANT: Wale, Wylie W.
APPLICANT: Vale, Wylie W.
AURINION: CLONING AND RECOMBINANT PRODUCTION OF
TITLE OF INVENTION: CLONING AND THE ACTIVIN/TGF-BETA SUPERFAMILY
NUMBER OF SEQUENCES:
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Plower Street, Suite 2000
CITY: Los Angeles
STATE: CA
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MEDIUM TYPE Flopy disk
MEDIUM TYPE Flopy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,123
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/485,061
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QMQRLTWIITTEDIVTVVTMVTNVDFPPKESSL 513
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FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/300,584
FILING DATE: 02-5EP-1994
PRIOR APPLICATION NUMBER: US 07/880,220
FILING DATE: 08-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/773,229
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US-08-476-123-2
; Sequence 2, Application US/08476123
; Patent No. 6162896
; Patent INFORMATION:
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Setent No. 6132988
GENERAL INPORMATION:
APPLICANT: Sugino, Hiromu
APPLICANT: Shouji, Hiroki
TITLE OF INVENTION: HIROKi
TITLE OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHWAN, LLP
STREET: 130 Water Street
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99.7%; Score 2763; DB 3;
Best Local Similarity 99.4%; Pred. No. 1.1e-263;
Matches 510; Conservative 3; Mismatches 0;
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61 FATWKNISGSIEIVKÇĞGWLDDINCYDRIDCIEKKDSPEVYFCCCEGNMCNEKFSYFPEM 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MGAAAKLAFAVFLISCSSGAILGRSETQECLFFNANWEKDRTNQTGVEPCYGDKDKRRHC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         233 YEVYSLPGMKHENILQFIGAEKRGTSVDVDLWLITAFHEKGSLSDFLKANVVSWNQLCHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABTWARGLAYLHEDIPGLKDGHKPAISHRDIKSKNVLLKNNLTACIADFGLALKFEAGKS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 521;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
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                                                                 GCVGERITQMQREFNITTHBDIVIVVIMVINVDFPPKESSL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99.2%; Score 2749; DB 3; 97.9%; Pred. No. 2.6e-262; ive 3; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 97.9
Matches 510; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
MOLECULE TYPE: protein
                                        USA
                                                          02109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-738-168B-5
   CITY: BO
STATE: M
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   293
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             360
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EVTOPTSNPVTPKPPYYNILLYSLVPLMLIAGIVICAFWVYRHKWAYPPVLVPTQDPGP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AYLHEDIPGLKDGHKPAISHRDIKSKNVELKNNLFACIADFGLALKFEAGKSAGDTHGQV
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Sequence 5, Application US/08738168B

Sequence 5, Application US/08738168B

Patent No. 612328-108

APPLICANT: Sugino, Hiromu

APPLICANT: Sugino, Hiromu

APPLICANT: Shouji, Hiroki

APPLICANT: Shouji, Hiroki

TITLE OF INVENTION: NEURONAL CELL-SPECIFIC RECEPTOR PROTEIN

NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:

ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP

STREET: 130 Water Street
                                                                                                                                                                                                                                                                                                                                                  Length 513;
                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                  Query Match
99.7%; Score 2763; DB 3;
Best Local Similarity 99.4%; Pred. No. 1.1e-263;
Matches 510; Conservative 3; Mismatches 0;
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FILING DATE: 09-OCT-1991

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/698,709
FILING DATE: 10-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41 9927
TELECHONE: 619-546-4737
TELEPHONE: 619-546-9392
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                           : 513 amino acids
amino acid
                                                                                                                                                                                                                                                                          TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-476-123-2
                                                                                                                                                                                                                                           LENGIH:
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360 VGTRRYMAPEVLEGAINFORDAFLRIDMYAMGLVLWELASRCTAADGPVDEYMLPFEERI 419
                                                                              420 GQHPSLEDMQEVVVHKKKRPVLRDYWQKHAGMAMLCETIBECWDHDAEARLSAGCVGBRI 479
                                                                                                                                                                            301 LSHLHEDIPGLKDGHKPAVAHRDIKSKNVLLKNNLTACIADFGLALKFEAGKSAGDTHGQ 360
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Sequence 4, Application US/08300584

Sequence 4, Application US/08300584

Sequence 4, Application US/08300584

GENERAL INFORMATION:
APPLICANT: Mathews, Lawrence S.
APPLICANT: MATHEWS Wille W.
TITLE OF INVENTION: CLOUING AND RECOMBINANT PRODUCTION OF TITLE OF INVENTION: DOF THE ACTIVIN/TGP-BETA SUPERFRAMILY NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEB: Pretty, Schroeder, Brueggemann & Clark STREET: 444 South Flower Street, Suite 2000

CITY: Los Angeles
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 510;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/300,584
FILING DATE: 02-SEP-1594
CLASSIFICATION DATA:
APPLICATION NUMBER: US 07/880,220
FILING DATE: 06-MAY-1992
RILING DATE: 06-MAY-1992
RILING DATE: 06-OCT-1991
RIDG APPLICATION DATA:
APPLICATION NUMBER: US 07/698,709
FILING DATE: 10-MAY-1991
ROSISTATION NUMBER: 31,192
RECORMINICATION NUMBER: 31,192
RECORMINICATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: 941 9806
TELERBHONE: 619-546-1995
TELERBHONE: 619-64-1995
                                                                                                                                                                                                                                                     480 TOMORLINIITIBDIVIVVIMVINVDFPPKESSL 513
                                                                                                                                                                                                                                                                                     481 IQMQKLTNIITTEDIVTVVFWVTNVDFPPKESSL 514
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity
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Matches 349;
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Best Local 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              60 CFATWINISGSIELVKQGCWLDDINCYDRTDCVEKKDSPEVYFCCCEGNMCNEKFSYFPE 119
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                                                                                                                         APPLICANT: Sugino, Hiromu
APPLICANT: Sugino, Hiromu
APPLICANT: Shouji, Hiroki
APPLICANT: Shouji, Hiroki
TITLE OF INVENTION: NEURONAL CELL-SPECIFIC RECEPTOR PROTEIN
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STRESSEE: 10 Water Street
CITY: Boston
STREE: MA
COUNTRY: USA
CIPY: 02109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3.5; DB 3; Length 514;
4.9e-236;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: Batenilin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/738,168B
FILING DATE: 25-CCT-1996
PRIOR APPLICATION NUMBER: JP 280939/1995
FILING DATE: 27-CCT-1995
PRIOR APPLICATION NUMBER: JP 174909/1996
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S:
REFERENCE/DOCKET NUMBER: 34,235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 87.7%; Pred. No. 4.9e
Matches 451; Conservative 37; Mismatches
                                                                           Sequence 15, Application US/08738168B Patent No. 6132988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: 617-523-3400
TELEPRAX: 617-523-6440
INPORKATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        : 514 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TS-08-738-168B-15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               181 PPPSPLIGLKPLOLLEVKARGRFGCVWKAQLLNBYVAVKIFPIQDKQSWQNEYEVYSLPG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          357 VGTRRYMAPEVLEGAINFORDSFLRIDMYAMGLVLWEIVSRCTAADGFVDEYLLPFEBEI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       241 MRHENILQFIGAEKRGTSVDVDLWLITAFHEKGSLSDFLKANVVSWNQLCHIAETWARGL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GOHPSLEDMOEVVVHXKKRPVLRDYWQKHAGMAMLCET1EECWDHDAEARLSAGCVGER1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      417 GQHPSLEDLQEVVVHKKIRPVFKDHW1KHPGLAQLCVTIEBCWDHDABARLSAGCVBERI
                                                                                                                                                                                                                                                                                                                                                                                                                  1 MGAAAKLAFAVFLISCSSGAILGRSETQECLFFNANWEKDRTNQTGVEPCYGDKDKRRHC
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                                                                                                                                                                                                                                                                                                                                  Length 510;
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Patent No. 5831050
GENERAL INFORMATION:
APPLICANT: JUN, DONALD F
APPLICANT: START O'S SEQUENCE OF SECURITY: START O'S SEQUENCE OF SEQUENCES:
APPLICANT: SWART, JOHN E
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES,
ADDRESSEE: INC
                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                    DB 3;
                                                                                                                                                                                                                                                                                                                                  ; Score 1971.5; DB 3;
; Pred. No. 1.2e-185;
85; Mismatches 75;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     480 TOMORLTNIITTEDIVTVVTMVTNVDFPPKESSL 513
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                                                                                9927
                             NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REPERRENCE/DOCKET NUMBER: P41 5
TELECHONE: 619-546-4737
TELEPHONE: 619-546-4737
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 510 amino acids
                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 67.9%;
Matches 349; Conservative 8
FILING DATE: 10-MAY-1991
           ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
                                                                                                                                                                                                         : 510 amino acids
amino acid
3Y: linear
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US-08-357-533A-12
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FATWRNISGSIBIVKQGCWLDDINCYDRTDCVEKKDSPEVYFCCCEGNWCNEKFSYFPEM 120
                                                                                                         177 PPPSPLVGLKPLOGLEIXARGRFGCVWKARLLNBYVAVKI?PVQDKQSWQCBKEIFTTPG
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                                                                                  EVTQPTSNPVTPKPPYYNILLYSLVPLMLIAGIVICAFWVYRHHKMAYPPVLVPTQDPGP
                                                                                                                                                                                                                                                 241 MKHENILQFIGAEKRGTSVDVDLWLITAFHEKGSLSDFLKANVVSWNQLCHIAETMARGL
                                                                                                                                                                   PPPSPLLGLKPLQLLEVKARGRFGCVWKAQLLNEYVAVKIFPIQDKQSWQNEYEVYSLPG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 4, Application US/08476123
Sequence 4, Application US/08476123
Sequence 4, Application US/08476123
Sequence No. 6162896
GENERAL INFORMATION:
APPLICANT: Mathews, Lawrence S.
APPLICANT: TSUCHIGA, Kunihiro
TITLE OF INVENTION: RECEPTOR (S) OF THE ACTIVIN/TGF-BETA SUPERFAMILY
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,123
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION THER: US/08/46,061
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/300,584
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 07/880,220
FILING DATE: 08-MAY-1992
PRIOR APPLICATION NUMBER: US 07/880,220
FILING DATE: 08-MAY-1992
PRIOR APPLICATION NUMBER: US 07/73,229
FILING DATE: 09-CT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/773,229
FILING DATE: US 07/773,229
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ZIP: 90071
COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: 444 South
CITY: Los Angeles
STATE: CA
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US-08-476-123-4
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68 SGSIEIVKQGCWLDDINCYDRTDCVEKKDSPRVYFCCCEGNMCNEKFSYFPEMBVTQPTS 127
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Sequence 12.

Patent No. 566179

Patent No. 566179

CRIBERAL INPORATION:

APPLICANT: OPPERMANN, HERMANN

APPLICANT: OPPERMANN, HERMANN

APPLICANT: SYART, JOHN E

TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES,

ADDRESSEE: 1NC

STREET: 45 SOUTH STREET

CITY: HOPKINTON

STREET: WA

STREET: USA

COUNTRY: USA
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69.7%; Score 1931; DB 2; Length 53
Best Local Similarity 64.7%; Pred. No. 1.3e-181;
Matches 343; Conservative 86; Mismatches 77; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READBALE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
COMPUTER: IEM PC compatible
COMPUTER: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,009
FILING DATE: 16-D85
PILING DATE: 16-D85
PILING DATE: 16-D87
PILING DATE: 16-D87
PILING BATE: 16-D894
ATTORNEY/AGENT INFORMATION:
NAME: KELLY, ROBIN D
REGISTRATION NUMBER: GRP-073FW
TELEFONMICATION INFORMATION:
TELEFONMICATION INFORMATION:
TELEFONMICATION INFORMATION:
TELEFONMICATION INFORMATION:
TELEFONMICATION SOR 135-0901
TELEFONMICATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; LOCATION: 1..536
; OTHER INFORMATION: /note="HUMAN ACTIVIN TYPE ; OTHER INFORMATION: RECEPTOR"
US-08-459-009-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          536 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS: single
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MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
          US-08-459-009-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              247 DKQSRQSBREIFSTPGMKHENLLQFIAAEKRGSNLEVELMLITAFHDKGSLTDYLKGNII 306
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               307 TWNELCHVAETMSRGLSYLHEDVPWCRGBGHKPSIAHRDPKSKNVLLKSDLTAVLADPGL 366
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 536;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               77; Indels
COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDITOM TYPE Floppy disk
COMPUTER: BM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/357,533A
ATFORNEY/AGENT INFORMATION:
NAME: KELLY, ROBIN D
REGISTRATION NUMBER: A1,637
REFERENCE/POCKET NUMBER: CRP-073FW
TELECOMMUNICATION INFORMATION:
TELEFONDOM: (508)-435-9001
TELEFONDOM: (508)-435-9001
TELEFONDOM: SSC ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 336 anino acids
TYPE: anino acids
TYPE: anino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: Protein
LOCATION: 1..536
OTHER INFORMATION: /note= "HUMAN ACTIVIN TYPE II
OTHER INFORMATION: RECEPTOR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           69.7%; Score 1931; DB 2;
64.7%; Pred. No. 1.3e-181;
tive 86; Mismatches 77;
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Matches 343, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS:
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127 EPPTAPTLLIVLAYSLLPIGGLSLIVLLAFWYYRHRKPPYGHVDIHEVRQCQRWAGRRD 186
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                                                                                                                                                                                                                                                                 68 SGSIBIVKOGCWLDDINCYDRTDCVEXXDSPEVYFCCCEGNMCNEKFSYFPEMEVTQPTS 127
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                                                                                                                                                                             174 ------PTQDPGPPPSPLLGLKPLQLLEVKARGRPGCVWKAQLLNEYVAVKIPPIQ
                                                                                                                                        8 AFAVPLISCSSGAILGRSETQECLFFNANWEKDRTNQTGVEPCYGDKDKRRHCFATWKNI
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                    Length 536;
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Patent No. 281050
GENERAL INFORMATION:
APPLICANT: JIN, DONALD F
APPLICANT: OPPERAMNN, HERMANN
APPLICANT: SMART, JOHN E
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
Annewed To Address
An
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                                                                                   Indels
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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/357,533A
PILING DATE: 16-DEC-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: RELLY, ROBIN D
REGISTRATION NUMBER: 34,637
Score 1931; DB 3; 7
Pred. No. 1.3e-181;
69.7%; Scor.
64.7%; Pred. No. 1...
-ive 86; Mismatches
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                                                                                   Conservative
                                                     Similarity
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US-08-357-533A-11
                       Query Match
Best Local Simi
Matches 343;
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                          DROSWONEYEVYSLPGMKHENILQFIGAEKRGTSVDVDLWLITAFHEKGSLSDFLKANVV
                                                            247 DKQSRQSBRBIFSTPGMKHENLLQFIAAEKRGSNLEVELWLITAFHDKGSLTDYLKGNII
                                                                                                                                                  SWNQLCHIAETMARGLAYLHEDIPGLK-DGHKPAISHRDIKSKNVLLKNNLTACIADFGL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              464 HDAEARLSAGCVGERITQMQRLTNIITTEDIVTVVTMVTNVDFPPKESSL 513
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APPLICANT: OPPERMANN, HERMANN
APPLICANT: KUBERASAMPATH, THANGAVEL
APPLICANT: SMART, JOHN E
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES,
ADDRESSEE: INC
STREET: 45 SOUTH STREET
CITY: HOPKINTON
STATE: MA
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RECEPTOR"
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,951
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CCASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/357,533
FILLING DATE: 16-DEC-1994
ATTORNEY/AGENT INFORMATION:
NAME: KELLY, ROBIN D
REGISTRATION NUMBER: 34,637
REFERENCE/DOCKET NUMBER: 34,637
REPERENCE/DOCKET NUMBER: CRP-073FW
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION SEGO 1D NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 536 amino acids
TYPE: amino acid
TYPE: amino acid
TYPE: amino acids
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC_DOS/MS_DOS
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; Sequence 12, Application US/08459951

; Patent No. 6093547

; GENERAL INFORMATION:
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LOCATION: 1.536
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426 EDMQEVVVHKKKRPVLRDYMQKHAGMAMLCETIEECWDHDAEARLSAGCVGERITQMQRL 485
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "RAT ACTIVIN TYPE II RECEPTOR"
                                                                                                                                                        Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                               FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/357,533
FILING DATE: 16-DEC-1994
ATTORNEY/AGENT INPORMATION:
NAME: KELLY, ROBIN D
REGISTRATION NUMBER: CRP-073FM
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508)-435-9001
TELEPHONE: (508)-435-9001
TELEPHONE: (508)-435-9001
TELEPHONE: (508)-435-901
TELEPHONE: (508)-435-901
TELEPHONE: (508)-435-901
TREPRANTION ON SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 313 and no acide
TYPE: amino acide
TYPE: TYPE: protein
FEATURE:
                                                                                                                                                                        CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,009
FILING DATE:
                                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                        ZIP: 01748
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION: 1.513
OTHER INFORMATION:
HOPKINTON
                                         USA
                                                      01748
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                                                                                                                                                               SOFTWARE
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                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                Length 513;
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Sequence 11, Application US/08459009
Patent No. 5861479
GENERAL INFORMATION:
APPLICANT: JUN DONALD F
APPLICANT: OPPERMANN, HERMANN
APPLICANT: KUBERSARMANTH, THANGAVEL
APPLICANT: WOBERT, JOHN E
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENČE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES,
                                                                                                                                                                                                                                                                                                                                                                                         79; Indels
                                                                                                                                                                                                                                                                                                                                                69.2%; Score 1915.5; DB 2; 67.1%; Pred. No. 4e-180;
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                 TELEPHONE: (508)-435-9001
TELEPAX: (508)-435-0992
INPORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 513 amino acids
TYPE: amino acid
    TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           45 SOUTH STREET
                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 67.19
Matches 341; Conservative
                                                                                                                                                                                  MOLECULE TYPE: protein
                                                                                                                                                single
                                                                                                                                                                                                        PEATURE:
NAME/KEY: Protein
LOCATION: 1..513
OTHER INFORMATION: F
                                                                                                                                                               linear
                                                                                                                        TYPE: amino ac
STRANDEDNESS:
TOPOLOGY: line
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Search completed: June 28, 2004, 09:49:25 Job time: 24 secs

Sequence 17, Appl Sequence 17, Appl Sequence 17, Appli Sequence 1, Appli Sequence 1, Appli Sequence 1, Appli Sequence 3, Appli Sequence 3, Appli Sequence 3, Appli Sequence 13, Appli

Sequence Sequence Sequence

Appl Appl Appl Appl Appl

Sequence 13, Sequence 11,

ALIGNMENTS

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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IRM PC compatible

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/300,584

FILING DATE: 02-SEP-1994

CLASSITCATION: 435

RAICH APPLICATION NUMBER: US 07/880,220

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/773,229

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/773,229

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/773,229

PRIOR APPLICATION NUMBER: US 07/698,709

ATTORNEY/AGENT INFORMATION:

NAME: Reiter Stephen E:

REFERRACE/DOCKET NUMBER: 31,192

REFERRACE/DOCKET NUMBER: 941 9806

TELLEPAN: 619-546-1995

TELLECOMMUNICATION INPORMATION:

TELLEPAN: 619-546-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
US-08-481-337A-7
US-09-382-256-17
US-08-436-255-17
US-08-436-265-17
US-08-679-187-17
US-08-679-187-17
US-08-123-934A-1
US-08-123-934A-1
US-08-123-934A-1
US-08-123-934A-3
US-09-874-10080-1
US-08-123-934A-3
US-09-874-628-3
                                                                                                                                                                                                                                                                                                                                                        Sequence 1, Application US/08300584; Patent No. 5885794; GENERALINFORMATION:
APPLICANT: Nathews, Lawrence S. APPLICANT: Vale, Wylie W. TITLE OF INVENTION: CLONING AND RE TITLE OF INVENTION: RECEPTOR(S) OF NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGIH: 2563 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 619-546-9392
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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STRANDEDNESS: single
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MOLECULE TYPE: PEATURE:
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USA
      CITY: LOS
STATE: CA
COUNTRY:
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US-08-300-584-1
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Sequence 7, Appli
Sequence 10, Appl
Sequence 17, Appl
Sequence 135, Appl
Sequence 10, Appl
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                                                                                                      June 26, 2004, 13:27:15 ; Search time 188 Seconds (without alignments) 7565.634 Million cell updates/sec
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2563
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Sequence 14,
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Sequence 4,
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Sequence 1
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Sequence 8
Sequence 7
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1. /cgn2_6/ptodata/2/ina/5A_COMB.seq:*

2. /cgn2_6/ptodata/2/ina/6A_COMB.seq:*

3. /cgn2_6/ptodata/2/ina/6A_COMB.seq:*

3. /cgn2_6/ptodata/2/ina/6B_COMB.seq:*

3. /cgn2_6/ptodata/2/ina/PcTUS_COMB.seq:*

3. /cgn2_6/ptodata/2/ina/PcTUS_COMB.seq:*

3. /cgn2_6/ptodata/2/ina/PcTUS_COMB.seq:*
                      GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-08-738-168B-1

US-08-738-168B-11

US-08-738-168B-11

US-08-376-123-3

US-08-376-123-3

US-08-476-123-3

US-08-476-123-1

US-08-459-951-1

US-08-459-951-1

US-08-451-96B-9

US-08-446-938B-7

US-08-446-938B-7

US-08-446-938B-7

US-08-446-938B-7

US-08-446-938B-7

US-08-446-938B-7

US-09-183-55-1325

US-09-183-55-1325

US-09-183-65-1325

US-09-183-65-1325

US-09-183-65-1325

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US-09-1878-901-17

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US-09-1878-901-10

US-09-1878-901-10
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US-08-738-168B-12
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                                                                99.78;
INFORMATION FOR SEQ ID NO: 12
SEQUENCE CHARACTERISTICS:
LENGTH: 2563 base pairs
TYPE: mucleic acid
STRANDEDNESS: single
FOCLOGY: linear
MOLECULE TYPE: CDNA
ORIGINAL SOURCE:
ORGANISM: mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 99.8
Matches 2557; Conservative
                                                                                                                                                                                                                                                                                                                                            mat_peptide
128..1609
                                                                                                                                                                                                                                                                                 sig_peptide
71..127
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71..1609
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LOCATION:
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LOCATION:
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US-08-738-168B-12
                                                                                                                                                                                                                                                                                                                                               NAME/KEY:
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                                                                   2101 AATGTGTAGTGTGCTGTTCTGTGTACATCATCAAAGTGGGGTACAGTAAAGAGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 12, Application US/08738168B
Patent No. 6132989
GENERAL INFORMATION:
APPLICANT: Sugino, Hiromu
APPLICANT: Shouji, Hiroki
APPLICANT: Shouji, Hiroki
TITLE OF INVENTION: NEURONAL CELL-SPECIFIC RECEPTOR PROTEIN
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHWAN, LLP
STREET: 130 Water Street
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CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READBLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN BATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/08/738,168B
FILING DATE: 25-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 1280939/1995
FILING DATE: 27-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 14909/1996
ATTORNEY/AGENT INFORMATION:
NAME: Resinick, David S.
REFIERBENCE/DOCKET NUMBER: 34,235
REFIERBENCE/DOCKET NUMBER: 34,235
TELECOMMUNICATION NUMBER: 34,235
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US-08-738-168B-12
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SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: US/08/476,123
FILING DATE: US/08/476,123
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/485,061
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/300,584
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 07/880,220
FILING DATE: 07-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/733,229
FILING DATE: US 07/698,709
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 2556.4;
Pred. No. 0;
2; Mismatches
                                                                                                                                                                                                                                                                                  NAME: Relet Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: 941 9927
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-4737
TELEPHONE: 619-546-4737
TELEPHONE: 619-546-9392
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2563 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        99.78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 99.8°
Matches 2557; Conservative
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) LOCATION: 71..1609
US-08-476-123-1
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             APPLICANT: Sugino, Hiromu
APPLICANT: Nakamura, Takanori
APPLICANT: Shouji, Hiroki
TITLE OF INVENTION: NEURONAL CELL-SPECIFIC RECEPTOR PROTEIN
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIFE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
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                                                                                                                                                                             COMPUTER LOSA

CONTRATE USA

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COMPUTER READABLE FORM:

MEDIUM TYPE: Flopy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/738,168B

FILING DATE: 25-OCT-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: UP 280939/1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: UP 174909/1996

FILING DATE: Q4-JUL-1996

ATTORNEY/AGENT INPOMMATION:

NAME: RESENCE/POCKET UNBER: 34,235

REGISTRATION NUMBER: 34,235

REGISTRATION NUMBER: 34,235

REGISTRATION INPOMMATION:

TELEPHONE: 617-523-3400

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LEMOTH: 212 Dass pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match

80.3%; Score 2057.4;

Best Local Similarity 98.6%; Pred. No. 0;

Matches 2092; Conservative 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: CDNA
ORIGINAL SOURCE:
ORGANISM: mouse
GENERAL INFORMATION:
                                                                                                                                       CITY: Boston
STATE: MA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; LOCATION:
US-08-738-168B-4
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Sequence 14, Application US/08738168B
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Pred. No. 0;
2; Mismatches
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/738,168B
FILING APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: UP 280939/1995
FILING DATE: UP 27-OCT-1995
PRIOR APPLICATION DATA: UP 174909/1996
FILING DATE: UP 4-JUL-1996
APPLICATION NUMBER: 34,235
FILING DATE: UP 4-JUL-1996
ATTORNEY/AGENT INFORMATION:
NAME: RESENICK, DATIG S.
FREGERENCE/OCKET NUMBER: 34,235
FREGERENCE/OCKET NUMBER: 34,235
FREERENCE/OCKET NUMBER: 31,300
FREERENCE/OCKET NUMBER: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 98.1%;
Matches 1530; Conservative 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-738-168B-11
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                      GAGATGGAGGTCACACACACCCACCTCAAATCCTGTCACAACTAAGCCTCCTTTATTCAAC
                                                                             GGACCACCCCCACCTTCCCCATTACTAGGGTTGAAGCCATTGCAGCTGTTAGAAGTGAAA
          GAGATGGAAGTCACACACCCACTTCAAATCCTGTTACAAGCCAAGCCACCCTATTACAAC
                                                                                                            TEGETGTACAGACATCACAAGATGGCCTACCCTCCTGTTGTTCCTACTCAAGACCCA
                                                            ATTCTGCTGTATTCCTTGGTACCACTAATGTTAATTGCAGGAATTGTCATTTGTGCATTT
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56;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 38.4%; Score 983.4; DB 3; Best Local Similarity 68.8%; Pred. No. 1.4e-261; Matches 1473; Conservative 2; Mismatches 609;
                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: CDS
; LOCATION: 202..1743
US-08-738-168B-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: cDNA ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: frog
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 26.5%; Score 678.2; DB 2; Best Local Similarity 65.6%; Pred. No. 2.9e-177; Matches 1037; Conservative 2; Mismatches 526;
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/880,220
FILING DATE: 08-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/773,229
FILING DATE: 09-0CT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/698,709
FILING DATE: 10-MAY-1991
ATTORNEY-AGENT INPORMATION:
NAME: Relet, Stephen E.
REGISTRATION NUMBER: 31,192
REFREENCE/DOCKET NUMBER: 31,192
REFREENCE/DOCKET NUMBER: 91,9806
TELECOMMUNICATION INPORMATION:
TELEPHONE: 619-546-1995
TELEPHONE: 619-546-9995
INPORMATION FOR SEG ID NO: 3:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                               LEWGTH: 2335 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: CDS
; LOCATION: 468..1997
US-08-300-584-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear
MOLECULE TYPE: CDNA
IMMEDIATE SOURCE:
CLONE: XACTR
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                 1685 ITGATTITCTGTGTGAAATGAGTAGGATGCCTCCAGGACATGTACGCAAGCAGCCCCTTG 1744
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Patent No. 5885794

GENERAL INFORMATION:
APPLICANT: Mathews, Lawrence S.
APPLICANT: Wale, Wylie W.
TITLE OF INVENTION: CLONING AND RECOMBINANT PRODUCTION OF
TITLE OF INVENTION: RECEPTOR (S) OF THE ACTIVIN/TGF-BETA SUPERFAMILY
NUMBER OF SEQUENCES: 10
CURRESPONDENCES: 10
CURRESPONDENCE ADDRESS:
ADDRESSEB: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: POPOSYMS-DOS
SOFTWARE: PACENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08/300,584
FILING DATE: 02-SEP-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITITITITITIAATCAAAGATITCAIITICAGA-TITAAAGGGIAACIGITITIAI
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26.5%; Score 678.2; DB 3; Length

Best Local Similarity 65.6%; Pred. No. 2.9e-177;

Matches 1037; Conservative 2; Mismatches 526; Indels
; Sequence 3, Application US/08476123
; Patent No. 6162896
; GENERAL INFORMATION:
APPLICANT: Mathews, Lawrence S.
APPLICANT: Vale, Wyle W.
APPLICANT: Vale, Wyle W.
APPLICANT: Tsuchida, Kunihiro
TITLE OF INVENTION: CLONING AND RECOMBINANT PRODA
TITLE OF INVENTION: RECEPTOR (S) OF THE ACTIVIN/TY
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS: ADDRESSE: ADDRESSE: RECTY, Schroeder, Brueggemann & Clar
STREET: 444 South Flower Street, Suite 2000
CITY: LOS Angeles
COUNTRY: USA
ZIP: 90071
                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PER PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,123
FILING DATE: 07-JUN-1995
CLASSIPICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIPLCATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/485,061
FILING DATE: 07-0W1-1995
APPLICATION NUMBER: 08/300,584
FILING DATE: 02-SEP-1994
PRIOR APPLICATION NUMBER: 05/7/80,220
FILING DATE: 08-MAX-1992
PRIOR APPLICATION NUMBER: US 07/73,229
FILING DATE: 08-MAX-1992
PRIOR APPLICATION NUMBER: US 07/773,229
FILING DATE: 09-CCT-1991
PRIOR APPLICATION NUMBER: US 07/773,229
FILING DATE: 10-MAX-1991
FILING DATE: 10-MAX-1991
FILING DATE: 10-MAX-1991
FILING DATE: 10-MAX-1991
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REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-4737
TELEFRAX: 619-546-9392
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; LOCATION:
US-08-476-123-3
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RESULT 8 US-08-476-123-3

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1379 AAGAGGCCTGTTTTAAGAGATTATTGGCAGAAACATGCAGGAATGCCAATGCTCTGTGAA 1438
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     1647 ATAGTATCCCGATGTACAGCAGAGATGGGCCAGTAGATGAGTATCTGCTCCCATTCGAA 1706
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: JIN, DONALD F
APPLICANT: OPPERMANN, HERMANN
APPLICANT: COPERMANN, HERMANN
APPLICANT: SMART, JOHN E
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: CDS
LOCATION: 379..1929
OTHER INFORMATION: /product= "DROSOPHILA MORPHOGEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 01748
COMPUTER READABLE FORM:
MEDTUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UNDER: US/08/357,533A
FILING DATE: 16-DEC-1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                           1619 CACCGTCTGTACACACTGAG 1638
                                                                                                                                                                                                                                                                                                                                                                                                                                              2007 TTTGGTCTTTCCAGACTCAG 2026
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; Sequence 1, Application US/08357533A
; Patent No. 5831050
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NAME: KELLY, ROBIN D
REGISTRATION NUMBER: 34,637
REFERENCE/DOCKET NUMBER: CRP-
TELECOMUNICATION INFORMATION:
TELEPHONE: (508)-435-9901
TELEPHONE: (508)-435-9901
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TYPE: nucleic acid
STRANDEDNESS: single
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STREET: 45 SOUTH STREET
CITY: HOPKINTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPAX: (508)-435-0995
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
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COUNTRY: US
ZIP: 01748
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                                                                                                               Length 2625;
                                                                                                        12.4%; Score 316.8; DB 2; Length 60.9%; Pred. No. 2.1e-77; ive 1; Mismatches 353; Indels
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OTHER INFORMATION: RECEPTOR"
                                                                                                    Query Match
Best Local Similarity 60.9
Matches 570; Conservative
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US-08-357-533A-1
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Patent No. 5861479
GENERAL INPORMATION:
APPLICANT: JIN, DONALD F
APPLICANT: KUBERASANDATH, THANGAVEL
APPLICANT: KUBERASANDATH, THANGAVEL
APPLICANT: SWART, JOHN B
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: INC
ADDRESSEE: INC
ADDRESSEE: INC "DROSOPHILA MORPHOGEN ZIP: 01748
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,009 FILING MALE.

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/357,533

FILING DATE: 16-DEC-1994

ATTORNYY/AGENT INFORMATION:

NAME: KELLY, ROBIN D

REGISTRATION NUMBER: 34,637

REPERRINGF/DOCKET NUMBER: CRP-073FW

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION: (508)-435-9001 CRP-073FW NAMB/KEY: CDS
LOCATION: 379.1329
COTHER INFORMATION: /product=
OTHER INFORMATION: RECEPTOR" INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS: LENGTH: 2625 base pairs TYPE: mucleic acid STRANDENNESS: single STREET: 45 SOUTH STREET CITY: HOPKINTON STATE: MA TOPOLOGY: linear MOLECULE TYPE: CDNA 828 ठे

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: /product= "DROSOPHILA MORPHOGEN )
OTHER INFORMATION: RECEPTOR"
US-08-459-951-1
                                                                                                       US 08/357,533
                         CLASSIPICATION: 435

RIOR APPLICATION DATA:

APPLICATION NUMBER: 080/357

FILING DATE: 16-DEC-1994

ATTORNEY/AGENT INFORMATION:

NAME: KELLY, ROBIN D

REGISTRATION NUMBER: 34,637

REPERENCE/DOCKET NUMBER: CRP-
TELECPANIOLATION INFORMATION:

NOUSCULE TYPE: CONA
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Best Local Similarity 60.9°
Matches 570, Conservative
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NAME/KEY:
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1166 AGAA-----GCACATGGACAAGCCGGAATATTGGCTGATATCCACCTACCAGCATAACG 1219
                                                                                                                                     1220 GATCACTATGCGACTACCTCAAATCGCACAATCTCATGGCCAGAGTTGTGCCGCATCG 1279
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                                                                      GCTCACTGTCAGACTTTCTTAAGGCTAATGTGGTCTCTTGGAATCARCTTTGTCATATTG
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Patent No. 603547
GENERAL INFORMATION:
APPLICANT: JIN, DOPERANN, HERMANN
APPLICANT: SCHERASAMPATH, THANGAVEL
APPLICANT: SMARY, JOHN B
TITLE OF INVENTION: NOVEL MORPHOGEN CELL SURFACE RECEPTOR
NUMBER OF SEQUENCES: 12
CORRESPONDER ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES,
ADDRESSEE: INC
STREET: 45 SOUTH STREET
CITY: HOWELSTEEN
CONTRIBUTION
CITY: HOWELSTEEN
CONTRIBUTION
CONTRI
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 01748
COMPUTER READABLE FORM:
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572 TACCCTCCFGTACTTGTTCCTACTCAAGACCCAGGACCACCCCCACCTTCCCCATTACTA
                                            632 GGGTTGAAGCCATTGCAGCTGTTAGAAGTGAAAGCAAGGGGAAGATTTGGTTGTGTCTGG
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US-08-445-520B-8
) Sequence 8, Application US/08445520B
) Patent No. 5866323
) GENERAL INFORMATION:
APPLICANT: Markowitz, Sanford D.
APPLICANT: Willson, James K.V.
ITILE OF INVENTION: CANCER DIAGNOSIS, PROGNOSIS AND TITLE OF INVENTION: THERAPY BASED ON MUTATION OF RECEPTOR NUMBER OF SEQUENCES: 9
CORRESPONDENCES DATES, L.L.P.
ADDRESSEE: BACKE & BOTTS, L.L.P.
STREET: 1299 Pennsylvania Avenue, N.W.
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CLASSIFICATION: 435
PRIOR APPLICATION: 435
PRIOR APPLICATION DATA: APPLICATION NUMBER: 08/417,867
PILING DATE: 07-APR.1995
ATTORNEY-AGENT INPORMATION: NAME: POSOTSE, Laurence H REGISTRATION NUMBER: 34,698
REFERRATION NUMBER: 34,698
REFERRATION NUMBER: 34,699
TELEPHONE: 202-639-7700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: USA
ZIP: 20004-2400
COMPUTER REDABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
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LOCATION: 336...2036
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SEQUENCE CHARACTERISTICS:
IENGTH: 2090 base pairs
TYPE: nucleic acid
STRANDENNESS: single
TOPOLOGY: linear
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US-08-445-520B-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
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APPLICANT: Nakamira, Takanori
APPLICANT: Nakamira, Takanori
APPLICANT: Shouji, Hiroki
TITLE OF INVENTION: NEURONAL CELL-SPECIFIC RECEPTOR PROTEIN
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 11.5%; Score 294; DB 3; Length 294; Best Local Similarity 100.0%; Pred. No. 1.5e-71; Matches 294; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: ISM PC compatible
COMPATER: ISM PC compatible
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/738,168B
FILING DATE: 25-COT-1996
FILING DATE: 25-COT-1996
FILING APPLICATION DATA:
APPLICATION NUMBER: UF 280939/1995
FILING DATE: 27-COT-1995
FILING DATE: 04-UUL-1996
FILING DATE: 04-UUL-1996
ATTORNEY/AGENT INFORMATION:
NAME: RESINICK, DAVIG S.
RESISTATION NUMBER: 34.235
RESISTATION NUMBER: 34.235
RESISTATION NUMBER: 34.246901
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
TELECOMMUNICATION INPORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 8, Application US/08738168B Patent No. 6132988 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPAX: 617-523-6440 INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Floppy disk
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nucleic acid
EDNESS: single
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
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; TOPOLOGY: linear;
; MOLECULE TYPE: DNA US-08-738-168B-8
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CITY: Boston
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US-08-738-168B-8
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                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILLING DATE: 26-MAY-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WHI91-09V
                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/311,703
FILING DATE: 23-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/786,063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Grandhar, Petricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: WHISTELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 2090 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA (genomic)
                   Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 31-OCT-1991
ATTORNEY/AGENT INFORMATION:
STREET: Twc
CITY: Lexington
Twe. Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
                                                                                                                      ZIP: 02173
COMPUTER READABLE FORM:
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LOCATION:
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                                                                  1148 TGAGACAGTGGCAGTCAAGATCTTTCCCTATGAGGAGTATGCCTCTTGGAAGACAGAGAA
                                                                                                                                                                     TGAAGTCTATAGTCTACCTGGAATGAAGCATGAGAACATACTACAGTTCATTGGTGCAGA
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Patent No. 6001969
GENERAL INFORMATION:
APPLICANT: Main, Herbert Y.
APPLICANT: Weinberry Nao-Fan
APPLICANT: Weinberry, Roberr A.
APPLICANT: Todish, Harvey F.
TITLE OF INVENTION: TGF-Beta Type Receptor CDNAs Encoded
TITLE OF INVENTION: Products and Uses Therefor
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                   0; Mismatches 363; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1480 ATCAGCTGGATGTGTAGGTGAAAGAATTACTCAGATGCA 1518
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MOLECULE TYPE: DNA (genomic)
TOPOLOGY:
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1565 GGATGACCTGGCTAACAGTGGGCAGGTGGGAACTGCAAGATACATGGCTCCAGAAGTCT 1624
                                                                                                                                        1685 GCTCTGGTGCTCTGGGAAATGACATCTCGCTG---TAATGCAGTGGAGAAGTAAAAGA
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                                     1183 GGAGGGTGCTATAAACTTCCAAA---GGGACGCATTTCTGAGGATAGATATGTACGCCAT
                                                                    1625 AGAATCCAGGATGAATTTGGAGAATGCTGAGTCCTTCAAGCAGACGATGTCTACTCCAT
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APPLICANT: Wang, Xiao-Fan
APPLICANT: Wang, Xiao-Fan
APPLICANT: Weinberg, Robert A.
APPLICANT: Lodish, Harvey F.
TITLE OF INVENTION: TGF-Beta Type Receptor CDNAs Encoded
TITLE OF INVENTION: Products and Uses Therefor
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                              1480 ATCAGCTGGATGTGTAGGTGAAAGAATTACTCAGATGCA 1518
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 23-MAY-1995
CLASSIPICATION: 536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hamilton, Brook, Smith & Reynolds,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 536
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PELING DATE: 23-58P-1994
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 07/786,063
FILING DATE: 31-60T-1991
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Parricia
REFERENCE/DOCKTION:
NAME: Granahan, Parricia
REFERENCE/DOCKTION:
TELEPANICATION NUMBER: WHI91-09FZ
TELEPANICATION INFORMATION:
TELEPANICATION INFORMATION:
TELEPANICATION SOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
ENGTH: 2090 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 7, Application US/08446938B Patent No. 6008011
GENERAL INFORMATION:
APPLICANT: Lin, Herbert Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: Two Militia Drive CITY: Lexington
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: U.S.A.
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US-08-446-938B-7
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949 AGAAACCATGGCTAGAGGATTGGCATATTTACATGAGATATACCTGGCTTAAAAGATGG 1008
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                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                               15;
                                                                                                                                                              Length 2090;
                                                                                                                                                              Score 168.2; DB 3; Length 2
Pred. No. 2.1e-36;
0; Mismatches 363; Indels
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                                                                                                                                                              Query Match
Best Local Similarity 53.8%;
Matches 441; Conservative
                                  CDS
336..2038
FEATURE:
NAME/KEY:
                                                                    ; LOCATION:
US-08-446-938B-7
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1325, Ap 4, Appli

Sequence Sequence

Sequence 2001, App Sequence 2001, App Sequence 138, App Sequence 138, Appl Sequence 52, Appl Sequence 10, Appl Sequence 17, Appl Sequence 17, Appl Sequence 17, Appl Sequence 11, Appl Sequence 119, Appl Sequence 119, Appl Sequence 119, Appl Sequence 117, Appl Sequence 570, Appl Sequence 570, Appl Sequence 570, Appl Sequence 570, Appl Sequence 13, Appl Sequence 13, Appl Sequence 570, Appl Sequence 13, Appl Sequence 13, Appl Sequence 67, Appl Sequence 13, Appl Sequence 67, Appl

Sequence Sequence Sequence S

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Result No.

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RECOMBINANT PRODUCTION OF OF THE ACTIVIN/TGF-BETA SUPERFAMILY
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COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NATA:
LING DATE: 19-Dec-2000
CLASSIFICATION: CURKNOWD>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & STREET: 444 South Flower Street, Suite 2000 CITY: Los Angeles
5 US-09-888-361-17

5 US-10-412-989-4

US-10-432-989-4

US-10-432-989-4

US-09-888-361-3

US-09-888-361-3

US-09-888-361-3

US-09-888-361-3

US-09-888-361-1

US-09-982-543A-7

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US-09-88-361-19

US-09-982-643-19

US-09-982-082-12

US-09-982-082-12

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APPLICATION NUMBER: 08/476,123
FILING DATE: CUNCHOMIN BRING PRING PAPELICATION NUMBER: US 08/300,584
PFILING DATE: 02-SEP-1994
APPLICATION NUMBER: US 07/880,220
FILING DATE: 08-MAY-1992
APPLICATION NUMBER: US 07/773,229
FILING DATE: 09-0CT-1991
APPLICATION NUMBER: US 07/773,729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ALIGNMENTS
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Vale, Wylie W.
Tsuchida, Kunihiro
TITLE OF INVENTION: CLONING AND
RECEPTOR(S)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 1, Application US/09742684; Patent No. US20010039036A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: USA
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                  Sequence 1.2, Applisequence 122, App Sequence 140, Applisequence 3, Applisequence 688, App Sequence 688, App Sequence 156, App Sequence 32124, A Sequence 32124, A Sequence 10, Applisequence 10
                                                                                                                                                                                                                                                                                                                                                                   {without alignments}
10922.169 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-742-684A-15
2563
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1: /cgn2_6/ptodata/1/pubpma/USOT_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpma/PCT_NEW PUB.seq:*
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                                                            GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-742-684-1

US-10-240-965-122

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4 US-10-106-605-156

4 US-10-108-605-156

US-09-918-995-34126

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US-09-918-905-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SUMMARIES
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Pred. No. 0;
2; Mismatches
                                                                9927
        ATTORNEY AGENT INFORMATION:
NAME: Reiter, Stephen B.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: 941 99;
TELECOMMUNICATION INFORMATION:
TELEBRAM: 619-546-4737
TELEBRAM: 619-546-9392
FORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2563 base pairs
TYPE: NUCLEIC acid
                                                                                                                                                                                                                                                                                             ID NO: 1:
FILING DATE: 10-MAY-1991
                                                                                                                                                                                                                                                                              LOCATION: 71..1609
SEQUENCE DESCRIPTION: SEQ
                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 99.8%;
Matches 2557; Conservative
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MOLECULE TYPE: cDNA
FEATURE:
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Publication No. US2030165924A1
GENERAL INFORMATION:
APPLICANT: SHIFFMAN, Dov
APPLICANT: SOWGYI, Roland
APPLICANT: SELLAMER, Jeffrey J.
APPLICANT: PSELLAMER, Jeffrey J.
APPLICANT: PSELLAMER, Jeffrey J.
APPLICANT: PORTER, Gordon J.
APPLICANT: PLING DATE: US/10/240,965
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: 60/195,106
PRIOR FILING DATE: 2000-4-05
NUMBER OF SEQ ID NOS: 276
SOFTWARE: PERL PROGram
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                                                                                                                    NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: CA
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ENT APPLICATION DATA:
APPLICATION NUMBER: US/09/742,684
FILING DATE: 19-Dec-2000
APPLICATION: «Unknown»
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Pred. No. 7.1e-170;
2; Mismatches 526;
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PILING DATE: «URADOM)

APPLICATION NUMBER: US 08/300,584

PILING DATE: 0-SEP-1994

APPLICATION NUMBER: US 07/880,220

PILING DATE: 08-MAY-1992

APPLICATION NUMBER: US 07/773,229

PILING DATE: 09-OCT-1991

APPLICATION NUMBER: US 07/773,229

FILING DATE: 10-MAY-1991

ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                      ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41 993
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-4737
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2335 base pairs
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SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-09-742-684-3
                                                                         INVENTION: CLONING AND RECEPTOR(S)
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APPLICANT: Mathews, Lawrence S
Vale, Wylie W.
Tsuchida, Kunihiro
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STRANDEDNESS: single
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Best Local Similarity 65.6%;
Matches 1037; Conservative
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                                                                                                                                                                                                                                                                      COUNTRY: USA
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361 TATTGCAGAAACCATGGCTAGAGGATTGGCATATTTACATGAGGATATACCTGGCCTAAA 420
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                                                                                                                                                                                                                             Sequence 688, Application US/10046935; Publication No. US20020156011A1
GENERAL INPORMATION:
GENERAL INPORMATION:
APPLICANT: Jiang, Yugin
APPLICANT: Secrist, Heather
APPLICANT: Secrist, Heather
APPLICANT: Secrist, Heather
APPLICANT: Scolk, John A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF COLON CANCER
FILE REFERENCE: 210.11.52701;
CURRENT APPLICATION NUMBER: US/10/046,935;
CURRENT PILLING DATE: 2002-01-15;
NUMBER OF SEQ ID NOS: 2239-61.15
SOFTWARE: PASELED for Windows Version 4.0
FENDEL OF SEQ ID NOS: 2239-75000 A.
FENDEL OF SEQ ID NOS: 2239-750
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                                                                                        421 AGATGGCCACAAACCTGCCATATCTCACAGGG 452
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US-10-146-502-688
Sequence 688, Application US/10146502
Publication No. US20030069180A1
GENERAL INFORMATION:
APPLICANT: Jiang, Yuqiu
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ORGANISM: Homo sapiens
US-10-046-935-688
                                                                                                                                                                                                RESULT 6
US-10-046-935-688
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                                1379 AAGAGGCCTGTTTTAAGAGATTATTGGCAGAAACATGCAGAATGGCAATGGTCTGTGAA 1438
                                                                            1767 Aracdecerdrarica addecaerdderdaaacaeeerddrerddeeeaaerddog 1826
                                                                                                                                           1439 ACGATAGAAGAATGTTGGGATCAFGATGCAGAAGCCAGGTTATCAGCTGGATGTGTAGGT 1498
                                                                                                                                                                                                                                                  1499 GAAAGAATTACTCAGATGCAAAGACTAACAAATATCATTACTACAGAGGACATTGTAACA 1558
                                                                                                                                                                                                                                                                                                       1887 GAGCGTATTTCCCAAATCCGTAAATCAGTGAACGGCACTACCTCGGACTGCCTTGTATCC 1946
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Best Local Similarity 93.1%; Pred. No. 5.6e-97;
Matches 421; Conservative 1; Mismatches 30; Indels 0
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Sequence 688, Application US/09878178

RENERAL INFORMATION:
APPLICANT: Jiang, Yuqiu
APPLICANT: Jiang, Yuqiu
APPLICANT: Harlocker, Susan L.
APPLICANT: Secrist, Heather
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE T
TITLE OF INVENTION: COMPOSITIONS OF COLON CANCER
FILE REFERENCE: 210121.527

CURRENT APPLICATION UNMER: US/09/878,178

CURRENT APPLICATION UNMER: US/09/878,178

CURRENT FILING DATE: 2001-06-08

NUMBER OF SEQ ID NOS: 2237

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1619 CACCGTCTGTACACACTGAG 1638
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CORGANISM: Homo sapien
US-09-878-178-688
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                                                                                                                                                                                                                                                   Length 2657;
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Pred. No. 2.9e-73;
1; Mismatches 353; Indels
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                                                                                                                ; TYPE: DNA;
; ORGANISM: Drosophila melanogaster
US-10-108-605-156
                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 60.9%;
Matches 570; Conservative
              SOFTWARE: Patentin Ver. 2.1
                                         SEQ ID NO 156
LENGTH: 2657
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LARVAL VIABILITY AND USES THEREOF
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CANCER
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Pred. No. 5.6e-97;
1; Mismatches 30; Indels
APPLICANT: Harlocker, Susan L.
APPLICANT: Secrist, Heather
APPLICANT: Secrist, Heather
APPLICANT: Stolk, John A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
TITLE OF INVENTION: COMPOSITIONS AND DIAGNOSIS OF COLON CANC;
FILE REFRENCE: 210121.527C2
CURRENT APPLICANTION NUMBER: US/10/146,502
CURRENT FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 2241
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 688
LENGTH: 452
TYPE: DNA
CREANISM: ACCASION AND ACCESSED AND ACCESSED ACC
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Publication No. US20020160934A1
GENERAL INFORMATION:
APPLICANT: Broadus, Julie
APPLICANT: Broadus, Julie
APPLICANT: Broadar, Kim
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES FROM
TITLE OF INVENTION: PROTEINS ESSENTIAL FOR LAR
FILE REPERENCE: 31133B
CURRENT APPLICATION NUMBER: US/10/108,605
CURRENT APPLICATION NUMBER: US 09/761,142
PRIOR APPLICATION NUMBER: 2002-03-27
PRIOR APPLICATION NUMBER: US 09/761,142
PRIOR PILING DATE: 2000-01-16
PRIOR FILING DATE: 2000-01-14
NUMBER OF SEQ ID NOS: 361
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Best Local Similarity 93.1%;
Matches 421; Conservative
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US-10-108-605-156
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                              1690 AGCTGCCTTTTGAGGCCGAGCTGGGCCTGAGGCCGTCGCTGGACGAAGTTCAGGAGAGTG 1749
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TTGTGCATAAAAAAAAAGGGCCTGTTTTAAGAGATTATTGGCAGAAACATGCAGGAATGG 1424
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                                                                               TAGTCCTATGGGAATTGGCTTCTTGCACTGCTGCAGATGGACCCGTAGATGAGTACA
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US-09-918-955-30472
US-09-918-955-30472
Sequence 304-2, Application US/09918995
Publication No. US20030073623A1
GARKEAL INFORMATION:
ITILE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
ITILE OF INVENTION: FROM VARIOUS cDNA LIBRARIES
FILE REPRENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT FILING DATE: 2001-07-30
PRIOR FILING DATE: 1999-01-20
NUMBER OF SEQ ID NUMBER: US/09/225,076
NUMBER OF SEQ ID NOS: 38054
SOCTUARE OF SECUENCE FRANCE OF Windows Version 3.0
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9.3%; Score 238.2; DB 10; Length
Best Local Similarity 71.1%; Pred. No. 9.9e-53;
Matches 328; Conservative 1; Mismatches 129; Indels
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ORGANISM: Homo sapiens
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                                                                                        Sequence 78, Application US/10108605

Publication No. US20020160934A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Stam, Lynn
APPLICANT: Bachmann, Jane
APPLICANT: Bachmann, Jane
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES FROM DROSOPHILA MELANOGASTER THAT ENCODE
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES FROM DROSOPHILA MELANOGASTER THAT ENCODE
TITLE OF INVENTION: NUCLEIC ACID SEGUENCES FROM DROSOPHILA MELANOGASTER THAT ENCODE
TITLE OF INVENTION: NUCLEIC ACID SEGUENCES FROM DROSOPHILA MELANOGASTER THAT ENCODE
TITLE OF INVENTION: NUMBER: US/10/108,605
CURRENT APPLICATION NUMBER: US 09/761,142
PRIOR FILING DATE: 2001-01-16
PRIOR FILING DATE: 2000-01-14
NUMBER OF SEQ ID NOS: 361
SEQ ID NO 78
LENGTH: 2687
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1039 AGCTGCTGGAACAGAAGGCCAGTGGTAGATTCGGTGATGTGTGGCGAAGCCAAGCTCAACA 1098
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    CTTCGTGTGTAATGGAACGCTTTGCGCAGCTAAACA 1875
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12.4%; Score 316.8; DB 14;
ilarity 60.9%; Pred. No. 3e-73;
Conservative 1; Mismatches 353;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ) ORGANISM: Drosophila melanogaster
US-10-108-605-78
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Best Local Similarity
Matches 570; Conserv
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986 GATATACC---TGGCTTAAAAGATGGCCACAAGCCTGCAATCTCTCACAGGGACATCAAA 1042
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                                                                                                                                                                         APPLICAMT: Hyseq, inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: PROM VARIOUS CDNA LIBRARIES
FILE REPERSENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT PILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: US/09/235,076
PRIOR FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Mindows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 8.8%; Score 225.6; DB 10; Length Best Local Similarity 69.0%; Pred. No. 2.2e-49; Matches 322; Conservative 1; Mismatches 141; Indels
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                                                                                                            ; Sequence 24126, Application US/09918995; Publication No. US20030073623A1; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature

| LOCATION: (1)...(504)

| OTHER INFORMATION: n = A,T,C or G

US-09-918-995-24126
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                                                   435 CGGACAGGTAGGCACGAGGACGGTACATGGCTCCTGAGGCTGCTCGAGGCAGCCATCAACTT 494
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                   1081 CATTGCTGACTTTGGGTTGGCCTTAAAGTTCGAGGCTGGCAAGTCTGCAGGTGACACCCA
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                                                                                                                                                                                                                                                                                                                                                       Sequence 32124, Application US/08918995
) Publication No. US20030073623A1
) GENERAL INFORMATION:
) APPLICANT: Hyseq, Inc.
) TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
) TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
) TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
) FILE REFERENCE: 20411-756
) CURRENT APPLICATION NUMBER: US/09/918,995
) CURRENT FILING DATE: 1999-01-20
) PRIOR PILING DATE: 1999-01-20
) NUMBER OF SEQ ID NOS: 38054
) SOFTWARE: FastSEQ for Windows Version 3.0
) SEQ ID NO 32124
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9.1%; Score 233; DB 10; Length 517
Best Local Similarity 68.8%; Pred. No. 2.4e-51;
Matches 330; Conservative 1; Mismatches 146; Indels
                                                                                                                                                                                                    1201 CCAAAGGGACGCATTTCTGAGGATAGATATGTACGCCATGG 1241
                                                                                                                                                                                                                                              495 CCAGAGAGATGCCTTCCTGCGCATTGACATGTATGCCATGG 535
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US-09-918-995-32124
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                                              1480 ATCAGCTGGATGTGTAGGTGAAAGAATTACTCAGATGCA
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TITLE OF INVENTION: CANCER DIAGNOSIS, PROGNOS, TITLE OF INVENTION: MUTATION OF RECEPTOR FILE OF INVENTION: MUTATION OF RECEPTOR CURRENT APPLICATION NUMBER: US/10/646,640 CURRENT PELING DATE: 2001-06-13
PRIOR FILING DATE: 2001-06-13
PRIOR FILING DATE: 1995-04-07
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentin Ver. 2:1
                                                                                                                                                                                                                                                                         ; Sequence 10, Application US/10646640; Publication No. US20040038284A1; GENERAL INFORMATION:
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) LOCATION: (336)..(2036)
US-10-646-640-10
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ORGANISM: human
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TITLE OF INVENTION: CANCER DIAGNOSIS, PROGNOSIS AND THERAPY BASED ON TITLE OF INVENTION: MUTATION OF RECEPTOR FILE REPERENCE: 662361.018
CURRENT APPLICATION NUMBER: US/09/878,905
CURRENT FILING DATE: 2001-06-13
PRIOR FILING DATE: 1995-04-07
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PATENTIN Ver. 2.1
SEQ ID NO 10
LENGTH: 2090
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Pred. No. 1.3e-33;
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Matches 441; Conservative
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NAME/KEY: CDS
LOCATION: (336)..(2036)
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ORGANISM: human
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APPLICANT: Susan Murray
APPLICANT: Jacqueline Myatt
TITLE OF INVENTION: ANTISENSE MODULATION OF TRANSFORMING GROWTH FACTOR BETA RECEPTOR
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: RTS-0158
CURRENT APPLICATION NUMBER: US/09/888,361
CURRENT PILING DATE: 2001-06-21
NUMBER OF SEQ ID NOS: 163
SEQ ID NO 17
                                                                                                                                                                                                                                                                                                                                    1419
                                                                                                                                                                                    1300 GIACATGITACCATTTGAGGAAGAAATTGGCCAGCATCCATCTTGAAGATATGCAGGA 1359
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Publication No. US20030064944A1
GENERAL INFORMATION:
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ORGANISM: Homo sapiens
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US-09-888-361-17
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June 28, 2004, 09:48:46; Search time 49 Seconds (without alignments) 2955.651 Million cell updates/sec
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2: /cgn2_6/ptodata/2/pubpaa/PCT_MAW_PUB.pep:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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Gapop 10.0 , Gapext 0.5
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Description	Sequence 2, Appli	Sequence 4, Appli	Sequence 2, Appli	Sequence 79, Appl	Sequence 157, App	Sequence 111, App	Sequence 112, App	Sequence 11, Appl	Sequence 11, Appl	Sequence 62, Appl	Sequence 1236, Ap	Sequence 5, Appli	Sequence 2, Appli	Sequence 42, Appl	Sequence 113, App
	ID	US-09-742-684-2	US-09-742-684-4	US-10-367-241A-2	US-10-108-605-79	US-10-108-605-157	US-10-463-190-111	US-10-463-190-112	US-09-878-905-11	US-10-646-640-11	US-10-394-322A-62	US-10-408-765A-1236	US-09-917-788-5	US-09-908-500A-2	US-10-286-152A-42	US-10-463-190-113
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	Query Match Length DB	513	510	346	516	516	530	530	567	567	567	567	592	1038	1038	1038
₩	Query Match	99.7	71.2	52.5	41.5	41.4	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
	Score	2763	1971.5	1455.5	1150.5	1147.5	775.5	775.5	775.5	775.5	775.5	775.5	775.5	775.5	775.5	775.5
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Sequence 114, App Sequence 2, Appli Sequence 2369, App Sequence 2, Appli Sequence 2, Appli Sequence 6, Appli Sequence 6, Appli Sequence 102, Appli Sequence 102, Appli Sequence 103, Appli Sequence 106, Appli Sequence 106, Appli Sequence 110, Appli Sequence 6, Appli Sequence 110, Appli Sequence 110, Appli Sequence 6, Appli Sequence 14, Appli Sequence 112, Appli Sequence 113, Appli Sequence 113, Appli Sequence 114, Appli Sequence 115, Appli Sequence 1	equence 66
15 US-10-463-190-114 15 US-10-463-190-115 16 US-10-457-032 16 US-10-408-765A-2369 18 US-09-903-068-6 19 US-09-903-068-6 14 US-10-153-217-2 14 US-10-153-217-2 15 US-09-903-068-15 15 US-10-186-15A-38 15 US-10-186-15A-38 16 US-10-86-15A-38 17 US-10-183-190-102 18 US-10-463-190-105 19 US-09-903-068-4 19 US-10-463-190-106 19 US-10-463-190-106 19 US-10-463-190-106 19 US-10-463-190-106 19 US-10-463-190-106 19 US-10-463-190-106 19 US-10-463-190-110 19 US-10-10-10-110-110 19 US-10-10-10-110-110 19 US-10-10-10-110-110-110-110-110-110-110-1	US-10-295-027 US-10-295-027 US-10-295-027 US-10-295-027 US-10-173-999 US-10-463-190
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## ALIGNMENTS

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US-09-742-684-2

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Sequence 2, Application US/09742684

Fater No. US2001003903641

Sequence 2, Application US/09742684

Fater No. US2001003903641

Sequence 3.

TITLE OF INVENTION: CLONING AND RECOMBINANT PRODUCTION OF

TITLE OF INVENTION: CLONING AND RECOMBINANT PRODUCTION OF

INMERS OF SEQUENCES: 14

NUMBER OF SEQUENCES: 12

NUMBER OF SEQUENCES: 12

COMPRESSONDENCE ADDRESS:

STREET: 444 South Plower Street, Suite 2000

CITY: 10.00 Angeles

COMPUTER READMEL PORM:

MEDIUM TYPE: Floppy disk

COMPUTER READMEL PORM:

MEDIUM TYPE: Floppy disk

COMPUTER READMEL PORM:

MEDIUM TYPE: Floppy disk

COMPUTER READMER: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION NUMBER: US/09/742,684

FILING DATE: 19-0-0-2000

CLASSIFICATION NUMBER: US 08/300,584

FILING DATE: OLD SHAPING DATE: US 08/300,584

FILING DATE: OB-SEP-1994

APPLICATION NUMBER: US 07/733,229

APPLICATION NUMBER: US 07/733,229

FILING DATE: OB-CEP-1991

APPLICATION NUMBER: US 07/733,229

FILING DATE: 10-MAY-1991
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NAME: Reiter, Stephen E. REGISTRATION NUMBER: 31,192 REFERENCE/DOCKST NUMBER: P41 TELECOMMUNICATION INFORMATION:
                                                                                   MEDIUM TYPE: Floppy disk
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LENGTH: 510 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: 619-546-4737
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELBPAX: 619-546-9392
INFORMATION FOR SEQ ID NO: 4:
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
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Best Local Similarity 67.9%
Matches 349; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         QHPSLEDMQEVVVHXKKRPVLRDYWQKHAGMAMLCBTIEECWDHDABARLSAGCVGERIT 480
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CORRESPONDENCE ADDRESS.
RESPONDENCE ADDRESS.
SCHLOGGEr, Brueggemann & Clark
STRRET: 444 South Plower Street, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
99.7%; Score 2763; DB 9;
Best Local Similarity 99.4%; Pred. No. 5.4e-231;
Matches 510; Conservative 3; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OMORITATITATION TO THE STATE STATES THE STATES STAT
                       NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41 9927
TELECOMMUNICATION INFORMATION:
TELEPRAK: 619-546-4737
TELEPRAK: 619-546-9392
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                    ) MOLECULE TYPE: protein SEQUENCE DESCRIPTION: SEQ ID NO: US-09-742-684-2
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TITLE OF INVENTION: CLONING AND
RECEPTOR(S)
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                                                                                                                                                                                                                                                         LENGTH: 513 amino acids TYPE: amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Mathews, Lawre
Vale, Wylie W
Tsuchida, Kun
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STATE: CA
                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
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US-09-742-684-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61 FATWKNISGSIBIVKOGCWLDDINCYDRTDCVEKKDSPBVYFCCCEGNMCNEKFSYFPEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   177 PPSPLVGLKPLOLLEIKARGRFGCVWKARLLNEYVAVKIPPVQDKQSWQCEKEIFTTPG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            237 MKHENILEPIAAEKRGSNLEMELMITAPHDKGSLTDYLKGNLVSWNELCHITETWARGL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AYLHEDIPGLK-DGHKPAISHRDIKSKWVLLKONLTACIADFGLALKFEAGKSAGDTHGQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 MGAAAKLAPAVFLISCSSGAILGRSBTQECLFFNANWEKDRINGTGVEPCYGDKDKPRHC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MKHENILQFIGAEKRGISVDVDLWLITAFHEKGSLSDFLKANVVSWNQLCHIAETWARGL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 510;
Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 71.2%; Score 1971.5; DB 9;
67.9%; Pred. No. 2.6e-162;
live 85; Mismatches 75;
                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TOPOLOGY: linear; ; MOLECULE TYPE: protein; ; SEQUENCE DESCRIPTION: SEQ ID NO: 4: US-09-742-684-4
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9 9 240 236 419 416

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APPLICANT: Stam, Lynn
APPLICANT: Stam, Lynn
APPLICANT: Stam, Lynn
APPLICANT: Madar. Kim
APPLICANT: Kamdar. Kim
TITLE OF INVENTION: NUCLEIC ACID SEQUENCES FROM DROSOPHILA MELANOGASTER THAT ENCODE
TITLE OF INVENTION: NUCLEIC ACID SEGUENCES FROM DROSOPHILA MELANOGASTER THAT ENCODE
FILE REFERENCE: 31133B
CURRENT APPLICATION NUMBER: US/10/108,605
CURRENT APPLICATION NUMBER: US 99/761,142
PRIOR APPLICATION NUMBER: US 60/176,418
PRIOR PILLING DATE: 2000-01-14
NUMBER OF SEQ ID NOS: 361
SOFTWARE: PATENTIN VEY: 2.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        287 NQLCHIAETMARGLAYLHEDIPGLK-DGHKPAISHRDIKSKNVLLKNNLTACIADFGLAL 345
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                                                                                                                                                                                                                                                                                                                                              43;
                                                                                                                                                                                                                                                                                           Length 516;
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47.2%; Pred. No. 4.7e-91;
tive B3; Mismatches 152; Indels
PRIOR APPLICATION NUMBER: US 09/761,142
PRIOR FILING DATE: 2001-01-16
PRIOR PELICATION NUMBER: US 60/176,418
PRIOR FILING DATE: 2000-01-14
NUMBER OF SEQ ID NOS: 361
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 79
LENGTH: 516
TYPE: PRI
ORGANIGM: Drosophila melanogaster
US-10-108-605-79
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GENERAL INFORMATION: APPLICANT: Broadus, Julie
APPLICANT: Stam, Lynn
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Best Local Similarity 47.2%
Matches 249; Conservative
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US-10-108-605-157
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Publication No. US20020160934A1
GENERAL INFORMATION:
APPLICANT: Broadus, Julie
APPLICANT: Stam, Lynn
APPLICANT: Kamdar, Kim
APPLICANT: Kamdar, Kim
APPLICANT: Remdar, Kim
APPLICANT: Remdar, Kim
APPLICANT: Remdar, MUCLEIC ACID SEQUENCES FROM DROSOPHILA MELANOGASTER THAT ENCODE
TITLE OF INVENTION: PROTEINS ESSENTIAL FOR LARVAL VIABILITY AND USES THEREOF
TILE REFERENCE: 311338
CURRENT APPLICATION NUMBER: US/10/108,605
CURRENT PILING DATE: 2002-03-27
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APPLICANT: Krasney, Philip A.
APPLICANT: Krasney, Philip A.
APPLICANT: No. US20030219846Alcia, Michael
APPLICANT: O'CONDC. Barbara A.
APPLICANT: Spencer, Robin W.
TILLE OF INVENTION: ASSAY FOR ACTIVITY OF THE ACTRIB KINASE
FILE REPERACE: PCIIG61A
CURRENT APPLICATION NUMBER: US/10/367,241A
CURRENT FILING DATE: 2003-02-14
PRIOR APPLICATION NUMBER: 60/360,607
PRIOR APPLICATION NUMBER: 60/360,607
PRIOR FILING DATE: 2002-02-28
SOFTWARE: Patentin Version 3.2
SOFTWARE: Patentin Version 3.2
SEQ ID NO.2
SEQ ID NO.2
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Best Local Similarity 76.1%; Pred. No. 9.4e-118;
Matches 258; Conservative 52; Mismatches 28; Indels
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                              480 TOMORLTNIITIEDIVTVVTMVTNVDFPPKESSL 513
                                                          SQIRKSVNGTTSDCLVSIVTSVTNVDLPPKESSI
                                                                                                                                                                                             Sequence 2, Application US/10367241A Publication No. US20030219846A1
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                             GENERAL INFORMATION
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US-10-108-605-79
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                                                                                                  ----TNQTGVEPCYGDKDKRR 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  230 KVFSFANRONFINEKNIYRVPLMEHDNIARFIVGDERVTADGRMEYLLVMEYYPNGSLCK
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                                                                                                                                        14 LPWTILLVSTAAA----SQNQERLCAFKDPYQQDLGIGESRISHENGTILC---SKGS
                                                                                                                                                                                                                                                                              65 TCYGLWEKSKGDINLVKÓGCWSHIGDPQRCH-YBECVVTTTPPSIQNGTYRFCCCSTDLC
                                                                                                                                                                                                                                                                                                                                                                                                                                                            167 AYPPVLVPTQDPG-----PPPPSPLLGLKPLQLLEVKARGRFGCVWKAQLLNBYVAV
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Sequence 112, Application US/10463190
Sequence 112, Application No. US20040009535A1
GENERAL INFORMATION:
APPLICANT: Brunkow, Mary E.
APPLICANT: Galas, David J.
APPLICANT: Rovacevich, Erian
APPLICANT: Paper, Maryan W.
APPLICANT: Wan Ness, Jeffrey
APPLICANT: Wan Ness, Jeffrey
TITLE OF INVENTION: INCREASING BONE MINERALIZATION
FILE REFERENCE: 240083.508C2
CURRENT APPLICATION NUMBER: US/10/463,190
CURRENT FILING DATE: 2003-06-16
NUMBER OF SEQ ID NOS: 143
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         Best Local Similarity 34.5%; Pred, No. 1.7e-58; Matches 179; Conservative 103; Mismatches 172;
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                                                                                                  7 LAFAVFLISCSSGAILGRSETQECL-FFNANWEKDR---
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ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        129 STTEATTOVPKEKTÖDGSNLIY---IYIGTSVPSV--LAVIVGM---GLLLYRRRKQAHF 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        170 PVLVPTQDPGPPPPSPLLGLKPLQLLEVKARGRFGCVWKAQLLNEYVAVKIFPIQDKQSW 229
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                                                                                                                                                                                                                                                                                                                                                             13 VTLVCCLIGIHGSILPGSHGIIECEHPD---EKMCNTTQQCETRIEHCKMEADKPPSCYV 69
                                                                                                                                                                                                                                                                                                          11 VFLISC---SSGAIL-GRSETQECLFFNANWEK--DRING--TGVEPCYGDKDKRHCFA
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                                                                                                                                                                                        DB 13; Length 516;
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                                                                                                                                                                                 Query Match
41.4%; Score 1147.5; DB
Best Local Similarity 47.8%; Pred. No. 8.5e-91
Matches 251; Conservative 83; Mismatches 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 775.5;
SEQ ID NO 157
LENGTH: 516
TYPE: PRT
ORGANISM: Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28.0%;
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LENGTH: 530
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64

Gaps

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Indels

Length 530;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  301 HENILQFLTAEERKTELGKQYWLITAFHAKGNIQEYLTRHVISWEDLKKLGSSLARGIAH 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               243 HENILOFIGAEKRGISVDVDLWLITAFHEKGSLSDFLKANVVSWNQLCHIAETWARGLAY 302
                                                                       HENILOFUTABERKTELGKOYWLITAFHAKGNLOGYLTRHVISWEDLRKLGSSLARGIAH
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         84 CYAVWRKNDENITL------ETYCHDPKLPYHDFILEDAASPKCIMKEKKKKPGETFFM
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                                                                                                                      LHEDIPGLKOGHKPA----ISHRDIKSKNVLLKNNLTACIADFGLALKFEAGKSAGD-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              189 LKPLQLLEVKARGRFGCVWKAQLLN-----EYVAVKIFPIQDKQSWQNEYEVYSLPGMK
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Publication No. US20040038284A1

GENERAL INPORMATION:

APPLICANT: Markowitz, Sanford D

APPLICANT: Brattain, Michael G

APPLICANT: Brattain, Michael G

APPLICANT: Britison, James K.V.

ITILE OF INVENTION: CANCER DIAGNOSIS, PROGNOS

ITILE OF INVENTION: CANCER DIAGNOSIS, PROGNOS

FILE REFERENCE: 062361.0108

CURRENT APPLICATION NUMBER: US/09/678,905

PRIOR FILING DATE: 2001-06-13

PRIOR FILING DATE: 2001-06-13

PRIOR FILING DATE: 1995-04-07

NUMBER: O FGO ID NOS: 11
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                                                                                                                                                                                                                                                                                                                                                   CVAERPSELEHLDRL 547
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Matches 176; Conservative
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ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-646-640-11
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 HCFATWKNISGSIEIVKQGCWL---DDINCYDRTDCVEKKDSPEVY----FCCCEGNMC 110
                                                                   NEKES-YFPEMEVTOPTSNPVTPKPPYYN---ILLYSLVPLMLIAGIVICAFWVYRHHKM 166
                                                                                       219 KIFPIQDKQSWQNEYBVYSLPGMKHENILQFIGAEKRGTSVD-VDLWLITAFHEKGSLSD 277
                                                                                                                                                                                                                                                                            278 FLKANVVSWNQLCHIAETMARGLAYLHEDIPGLKDGHKPAISHRDIKSKNVLLKNNLTAC 3377
                                                                                                                                                                                                                                                                                            IADFGLALKF-----EAGKSAGDTHGQVGTRRYMAPEVLEGAINFQ--RDAFLRIDMYA 389
                                                                                                                                                                                                                                                                                                                                                                  349 ISDFGLSMRLTGNRLVRPGEEDNAAISEVGTIRYMAPEVLEGAVNLRDCESALKQVDMYA 408
                                                                                                                                                                                                                                                                                                                                                                                                                 390 MGLVLWELASRCT--AADGPVDEYMLPFEEEIGQHPSLEDWQEVVVHKKKRPVLRDYWQK 447
                                                                                                                                                                                                                                                                                                                                                                                                                                                409 IGLIYWEIFWRCTDLFPGESVPEYQMAFQTEVGNHPTFEDMOVLVSREKORPKFPEAWXE 468
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CSCSSDECNDNIIFSEEYN----TSNP------DLLLVIFQVTGISLLPPLGVALSVI 183
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                                                                                                                                                                                                                                         230 KVFSFANRQNFINBKNIYRVPLMEHDNIARFIVGDERVTADGRMBYLLVMBYYPNGSLCK
                             65 TCYGLWEKSKGDINLVKQGCWSHIGDPQECH-YBECVVTTTPPSIQNGTYRFCCCSTDLC
                                                                                                                                     167 AYPPVLVPTQDPG-----PPPPSPLLGLKPLQLLBVKARGRFGCVWKAQLLNEYVAV
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Fatent No. USZO020064786A1
GENERAL INFORMATION:
APPLICANT: Markowitz, Sanford D
APPLICANT: Wilson, James K.V.
TITLE OF INVENTION: MITATION OF RECEPTOR
FILE REFERENCE: 062316, 1018
CURRENT APPLICATION NUMBER: US/09/878, 905
CURRENT FILING DATE: 1995-04-07
PRIOR FILING DATE: 1995-04-07
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentin Ver. 2.1
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Best Local Similarity
Matches 176; Conserv
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ORGANISM: human
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APPLICANT: Glenn, Gary M.
APPLICANT: Warnock, Dale B.
TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
FILE REPERENCE: 660088.465
CURRENT APPLICATION NUMBER: US/10/408,765A
CURRENT APPLICATION DAIS: 2003-04-04
NUMBER OF SEQ ID MOS: 3077
SOFTWARE: PASTSEQ for Mindows Version 4.0
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APPLICANT: Gibson, Bradford W.
APPLICANT: Taylor, Steven W.
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                                                                                     533 CVAERFSELBHLDRE 547
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Matches 176; Conservative
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US-10-408-765A-1236
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LHEDIPGLKOGHKPA----ISHRDIKSKNVLLKNNLTACIADFGLALKFEAGKSAGD-
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28.0%; Score 775.5; DB 15; Length
al Similarity 35.6%; Pred. No. 1.8e-58;
176; Conservative 82; Mismatches 140; Indels
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APPLICANT: SUBSIS PHARMACEUTICALS, INC.; APPLICANT: PRESCOCK, John C.; TITLE OF INVENTION: IDENTIFICATION OF KINASE INF.; FILE REFERENCE: 39750-0006 US; CURRENT APPLICATION NUMBER: US/10/394,322A; CURRENT FILING DATE: 2003-03-20; PRIOR FILING DATE: 2003-03-21; NUMBER: OF SEQ ID NOS: 70; SOFTWARE: FastSEQ for Windows Version 4.0
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ORGANISM: Homo sapiens
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Sequence 42, Application US/10286152A

Sequence 42, Application US/10286152A

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: ALCOR Research, Ltd.
APPLICANT: Clark, Abbot F.
TITLE OF INVENTION: Bone Morphogenic Proteins (BMP), BMP Receptors and BMP Binding FITLE OF INVENTION: and Their Use in the Diagnosis and Treatment of Glaucoma FILE REFERENCE: 2112 US
CURRENT APPLICATION NUMBER: US/10/286,152A
CURRENT FILING DATE: 2002-02-28
NUMBER OF SEQ ID NOS: 54
SOFTWARE: Patentin Version 3.1
FEMALE: 1000 42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  59 HCFATWKNISGSIEIVKOGCWL---DDINCYDRTDCVEKKDSPEVY----FCCCEGNMC 110
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MGLVLWELASRCT -- AADGPVDEYMLPFEERIGOHPSLEDMQEVVVHKKKRPVLRDYWQK 447
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 28.0%; Score 775.5; DB 9;
Best Local Similarity 34.5%; Pred. No. 4.1e-58;
Matches 179; Conservative 103; Mismatches 172;
                                                                                                                                                                                                                                                                                                                                                                         7 LAFAVFLISCSSGAILGRSBTQECL-FFNANWEKDR---
CURRENT APPLICATION NUMBER: US/09/908,500A; CURRENT FILING DATE: 2001-07-17; PRIOR PRIOR FILING DATE: 2000-07-17; PRIOR FILING DATE: 2000-07-17; PRIOR FILING DATE: 2000-07-21; NUMBER OF SEQ ID NOS: 36; SEQ ID NO 2
                                                                                                                                                                                                                              ORGANISM: Homo Sapiens
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ORGANISM: homo sapiens
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US-10-286-152A-42
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US-09-917-788-5
Sequence 5, Application US/09917788
Sequence 5, Application US/09917788
Sequence 5, Application OS US2030028905A1
SEQUENCE 5. Application No. US2030028905A1
GENERAL INFORMATION:
APPLICANT: KNAUS, Petra
APPLICANT: KNAUS, Rainer
1TILE OF INVENTION: ISOFORMS
TITLE OF INVENTION: ISOFORMS
FILE REPERENCE: 38485-0005
CURRENT PAPLICATION UNGER: US/09/917,788
CURRENT PAPLING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 7
SOFTWARE PATENTIN Version 3.1
SEQ ID NO 5
LENGTH: 592
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   103 CCCEGNMCNEKFSYFPEMEVTOPTSNPVTPKPPYYNILL----YSLVPLMLIAGIVI 155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   156 CAFWVYRHHXMAYPPVLVPTQDPGPPP--------SPLLG 188
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        326 HENILQPLTABERKTELGKQYWLITAPHAKGNLQBYLTRHVISWEDLRKLGSSLARGIAH 385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      439 ANSGQVGTARYMAPEVLESRMNLENAESFKQTDVYSMALVLWEWTSRCNAV-GEVKDYEP 497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LKPLQLLEVKARGRFGCVWKAQLLN-----BYVAVKIFPIQDKQSWQNEYBVYSLPGWK 242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        266 LLPIELDTLVGKGRFAEVYKAKLKQNTSEQFETVAVKIFFYEEYASWKTEKDIFSDINLK 325
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 303 LHEDIPGLKDGHKPA-----ISHRDIKSRNVLLKNNLTACIADFGLALKFEAGKSAGD- 355
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     --RIDCV--EKKDSPEVYF-
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                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 10; Length 592;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 28.0%; Score 775.5; DB 10; Length Best Local Similarity 35.6%; Pred. No. 2e-58; Matches 176; Conservative 82; Mismatches 140; Indels
                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Mutant TGF-beta type II receptor
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Patent No. US20020102576A1
GENERAL INFORMATION:
APPLICANT: James Loyd
APPLICANT: Kirk B. Lane
APPLICANT: John A. Phillips, III
TILLE OF INVENTION: METHOD OF DIAGNOSING FULMONARY
FILLE REFERENCE: 22000.0108U3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CFATWKNISGSIEIVKQGCWLDDINCYD
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US-09-908-500A-2
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                                                                                                                                                                                                                  111 NEKFS-YFPEMEVTQPTSNPVTPKPPYYN---ILLYSLVPLMLIAGIVICAFWVYRHHKM 166
                                                                                                                                                                                                                                      167 AYPPVLVPTQDPG-----PPPPSPLLGLKPLQLLEVKARGRFGCVWKAQLLNBYVAV 218
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                                                                                                                       64
                                                                                          7 LAFAVFLISCSSGALLGRSETQECL-FFNANWEKDR-----TNQTGVEPCYGDXDKRR 58
                                                                                                              14 LPWTILLVSTAAA-----SQNQERLCAFKDPYQQDLGIGESRISHENGTILC----SKGS
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                             Length 1038;
                             Query Match

28.0%; Score 775.5; DB 14; Length
Best Local Similarity 34.5%; Pred. No. 4.1e-58;
Matches 179; Conservative 103; Mismatches 172; Indels
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APPLICANT: Galas, David J.
APPLICANT: Galas, David J.
APPLICANT: Koucevich, Brian
APPLICANT: Mulligan, John T.
APPLICANT: Paeper, Bryan W.
APPLICANT: Winkler, David G.
TITLE OF INVENTION: COMPOSITIONS AND MEHTODS FOR
TITLE OF INVENTION: INCREASING BONE MINERALIZATION
TITLE REFERENCE: 240083.508C2
CURRENT APPLICATION NUMBER: US/10/463,190
CURRENT PILING DATE: 2003-06-16
NUMBER: OF SEQ ID NOS: 143
SOFTWARE: FESTESQ for Windows Version 3.0
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Publication No. US20040009535A1
GENERAL INFORMATION:
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Matches 179; Conserva
US-10-286-152A-42
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US-10-463-190-113
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                                                                                                                                                                               219 KIFPIQDKQSWQNEYEVYSLPGMKHENILQFIGAEKRGTSVD-VDLWLITAFHEKGSLSD 277
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                     64
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                                                                                                                                                                                                                                                                                 174 ----MITGDRKQGLHSMMMEAAASEPSLDLDNLKLLELIGRGRYGAVYKGSLDERPVAV
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Search completed: Job time : 51 secs